

# Preface

The 9<sup>th</sup> **International Conference of Advanced Manufacturing Technologies, ICAMaT 2018**, was held together with the 2<sup>nd</sup> **International Conference on Technologies for Polymeric and Composite Products, POLCOM 2018**, in the University POLITEHNICA of Bucharest, Romania, Faculty of Engineering and Management of Technological Systems, on 1<sup>st</sup> and 2<sup>nd</sup> of November 2018, with the remarkable participation of experts from France, Germany, Iraq, Italy, Mexico, Poland, Romania and Russia.

The first ICAMaT Conference was held in 1999 under the acronym CITAF (derived from the abbreviation in Romanian) at the initiative of the Manufacturing Engineering Department (TCM) and had a national character. The following Conference sessions were held almost every two years and attracted increasingly more specialists.

Since 2005, with the clear prospect of Romania's accession to the European Union, the conference takes on an international character and changes its name to ICAMaT - International Conference on Advanced Manufacturing Technologies. Ever since this Conference session there has been a continuous increase in the number of participants from home and abroad, as well as in the number of published papers.

The Conference successfully brought together engineers, researchers and professors, specialists in various fields, such as Product Development; CAD, CAM, CAE, CIM Techniques and Concurrent Engineering; Cutting Processes, Cutting Tools and Forming Technologies; Manufacturing Technologies; Non-conventional Technologies; Technological Equipment and Automation; Management, Marketing, Production Planning and Production Quality. Experts from Romania and from other countries have come up in plenary sessions with valuable works which contributed to the increase in the scientific level of the Conference.

First International Conference on Technologies for Polymeric and Composite Products, POLCOM, took place in 2014 and has as key topics: Advanced Polymeric and Composites Materials; Processing of Plastics, Elastomers and Composite Materials; Bio-polymers and Bio-composites Products; Modeling, Simulation and Design of Polymeric and Composites Products; Technology and Technological Systems for Manufacturing Polymeric and Composites Products; Innovation in Technology for Smart Nano-polymers and Nano-composites Products; Hybrid Production Process and Additive Manufacturing for Polymeric and Composites Products; Recycling and Reprocessing.

94 papers were initially entered in the two conferences and, after reviews, 54 of them were accepted and presented. The Editors are thankful to the authors for their valuable contributions and to the reviewers for their timely reviews and recommendations as improvement guidance for selected papers. We also thank the members of Organizing Committee and to the colleagues of Manufacturing Engineering (TCM) Department for the consistent and substantial effort of organizing this joint conference, and the publisher Trans Tech Publications, who ensure the way to timely publication of these proceedings with their exquisite technical and editorial support. Our special thanks go as well as to the conference sponsors (IMST Alumni Association), ACAROM - Romanian Automobile Manufacturers Association. ASPAPLAST - Romanian Plastic Processor Employers' Association and EUROEXPO Fairs).

Prof. Tom SAVU, prof. Constantin Gheorghe OPRAN, prof. Giuseppe LAMANNA,  
lect. Manuela - Roxana DIJMĂRESCU, lect. Ioan - Cristian TARBĂ, Editors

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## 9th International Conference on Advanced Manufacturing Technologies - ICAMaT 2018

1<sup>st</sup> November 2018, Bucharest, Romania

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## **2nd International Conference on Technologies for Polymeric and Composite Products - POLCOM 2018**

1<sup>st</sup> – 2<sup>nd</sup> November 2018, Bucharest, Romania

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